



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBST1007-5
Job Sheet 171045



Part No: RBST1007-5

Job Qty: 3 ea

Part Name: Roller



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/26/18

Job Tracking No:

Due Date: 1/31/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: RBST1000 REV.7 IPP REV:A 18.01.23 NEW ISSUE JFC VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Outsource	3 pcs		1/31/18	0.00	0.00	Outsource16		AT 18/03/21
110	Packaging	3 pcs		1/31/18	0.00	0.00	Packaging2		APAK 18/03/21
120	QC	3 pcs		1/31/18	0.00	0.00	QC6		38
130	Packaging	3 pcs		1/31/18	0.00	0.00	Packaging3-2		18/03/20
140	QC21-SA	3 Ea		1/31/18	0.00	0.00	QC21		GA137

Part Op 100 - ISSUE P/O: 05207 TO KG GRINDING. MANUFACTURE AS PER DWG. SHIP QTY REQUIRED OF

Descriptions: 89031009

DAS
21
9-89

MAR 7 7 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
89031009	Plug and Pin Gauge	9 Ea (3 ea) 2 pin	100-Outsource	5046388

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Outsource	89031009	2	0	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐								
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Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																								
Description Work Order: _____				Completed By																								
Job No: 171045 Mtg Date: 03/20/18 Packaging Change No: Operation: Revision: Serial No/Batch: S053100 PART NO: RBST1007-5				Lead hand / Supervisor Approval Verification																								
				QC / QA Coordinator Approval																								
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☐ Turning Sequence																												
OTHER : _____																												

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

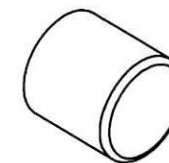
Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
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Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

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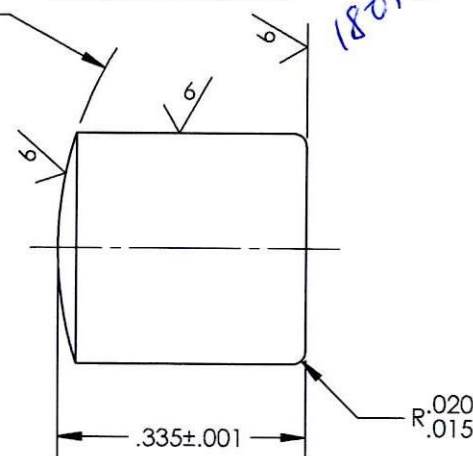
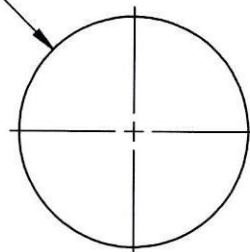
REVISIONS			
REV	ECR	DESCRIPTION	DATE INITIAL APPROVED

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 171045 MLG
1801-26



SR.502
.498

Ø.310
.309



TOOL
NUMBER

RBST1000

RBST1001

RBST1002

RBST1003

RBST1004

RBST1005

RBST1006

RBST1007

RBST1008

RBST1009

RBST1010

RBST1011

RBST1012

RBST1013

RBST1014

RBST1015

RBST1016

RBST1017

RBST1018

RBST1019

RBST1020

(-5)

ROLLER

DART AEROSPACE	
TITLE RBST1000 THRU 1020 DRILL PRESS TRI-ROLLER SWAGING TOOL	
DWG NO. SEE TABLE-5	REV 7
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 55-60	.XXX ± .005 FRACTIONS ± 1/8
FINISH	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/
DRAWN BY: PERRITT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	SEE TABLE
SCALE 4:1	DATE 1/4/2008 SHEET 4 OF 9

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039202

Supplier: AFF001-VC
Affutage K.G. Inc.
11455 Philippe Panneton Ave.
Montreal
QC
H1E 4M1 Canada
Phone: 514 323 0192 514 323 6631
Fax: 514 323 6631

PO No: PO039202

PO Date: 3/5/18

Due Date: 3/14/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

REVISED

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	170734	RBST4241-5	Roller ISSUE P/O: _____ TO KG GRINDING. MANUFACTURE AS PER DWG. SHIP QTY REQUIRED OF 89031009	Firmed	3/14/18	6 pcs	0 pcs 6x	6 pcs AT	\$12.00/pcs	\$72.00
2	173095	RBST2854-5	Roller ISSUE P/O: _____ TO KG GRINDING. MANUFACTURE AS PER DWG. SHIP QTY REQUIRED OF 89031009 1 pin make 4 pcs	Firmed	3/14/18	26 pcs	0 pcs 26x	26 pcs	\$12.00/pcs	\$312.00
3	170733	RBST1016-5	Roller ISSUE P/O: _____ TO KG GRINDING. MANUFACTURE AS PER DWG. SHIP QTY REQUIRED OF 89031009	Firmed	3/14/18	6 pcs	0 pcs 6x	6 pcs	\$12.00/pcs	\$72.00
4	171045	RBST1007-5	Roller ISSUE P/O: _____ TO KG GRINDING. MANUFACTURE AS PER DWG. SHIP QTY REQUIRED OF 89031009 1 pin make 3 pcs	Firmed	3/14/18	6 pcs	0 pcs 6x	6 pcs	\$12.00/pcs	\$72.00
5	RB KIT 407M-09	Gauge Pin 1-Issue P/O to KG Grinding; P/O _____ (Ship quantity req'd: 1 vial makes 4 pins) 2-Grind as per DWG. 3- Certificate of Conformity is required	Firmed	3/14/18	3 pcs	0 pcs 3x	3 pcs	\$12.00/pcs	\$36.00	

AFFUTAGE K.G. INC. K.G. GRINDING INC.

40 ans
Depuis 1975

11455 Ave. Philippe Panneton
Montréal, Québec
Canada, H1E 4M1
Tél. : 514-323-0192
Fax : 514-323-6631

Distributeur d'outils de coupe & Affutage sur mesure

Distributor of cutting tools & Custom tooling

BON DE LIVRAISON DELIVERY SLIP

DATE: MAR-14-2018

73005

DART AEROSPACE

P.O. # 39202

QTÉ	LIVRÉE	B/O	DESCRIPTION	PRIX UNITAIRE	TOTAL
6	(6)	-	RBST4241-5		
26	(26)	-	RBST2854-5		
6	(6)	-	RBST1016-5		
6	(6)	-	RBST1007-5		
3	(36)	-	RB KIT 407M-09		
3	(36)	-	" " - 07		
3	(36)	-	" " - 15		
6	(7)	-	" " - 23		
4	(4)	-	" " - 21		
3	(36)	-	" " - 05		
3	(36)	-	" " - 11		
2	(2)	-	" " - 17		
				SOUS-TOTAL	
				TPS	
				TVQ	
				TOTAL:	

REÇU EN BONNE CONDITION / RECEIVED IN GOOD ORDER

www.kggrinding.com • sales@kggrinding.com